CLAIMS

1. A ceramic heater comprising a ceramic plate and a heating element formed on a surface of said ceramic plate or inside thereof,

wherein:

a bottomed hole is made, being directed from the opposite side to a heating surface for heating an object to be heated, toward the heating surface;

the bottom of said bottomed hole is formed relatively nearer to the heating surface than the heating element;

and a temperature-measuring element is set up in said bottomed hole.

2. The ceramic heater according to claim 1,

wherein the distance between the bottom of said bottomed hole and said heating surface is from 0.1 mm to 1/2 of the thickness of the ceramic plate.

3. The ceramic heater according to claim 1,

wherein the ceramic constituting said ceramic heater is a nitride ceramic or a carbide ceramic.

4. The ceramic heater according to claim 1,

wherein said heating element is divided into at least two circuits.

5. The ceramic heater according to claim 1,

wherein said heating element has a section in a flat shape.

6. A ceramic heater comprising a ceramic plate and a heating element formed on a surface of said ceramic plate or inside thereof, said ceramic heater being equipped with:

a temperature-measuring element for measuring the

temperature of said ceramic plate;

a control unit for supplying electric power to said heating element;

a memory unit for memorizing the data of a temperature measured by said temperature-measuring element; and

an operation unit for calculating electric power required for said heating element from said temperature data,

wherein:

a bottomed hole is made, being directed from the opposite side to a heating surface for heating an object to be heated, toward the heating surface;

the bottom of said bottomed hole is formed relatively nearer to the heating surface than the heating element;

and a temperature-measuring element is set up in said bottomed hole.

7. The ceramic heater according to claim 6,

wherein said heating element is divided into at least two circuits and different electric powers are supplied to the respective circuits.

8. The ceramic heater according to any of claims 1 to 7,

wherein said temperature-measuring element is a sheath type thermocouple.

9. The ceramic heater according to any of claims 1 to 8,

wherein said temperature-measuring element is pressed on the bottom portion of the bottomed hole.

10. The ceramic heater according to claim 9,

wherein said temperature-measuring element is pressed thereon, by means of an elastic body or a screw.

11. The ceramic heater according to any of claims 1 to 10,

wherein said temperature-measuring element is sealed in

the bottomed hole with an insulator.